

Recombinant Full Length Human SMAD6 Protein, GST-tagged

Cat. No. SMAD6-6773HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SMAD6 full-length ORF (AAH12986.1, 1 a.a. - 496 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	496 amino acids
Description	The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.[provided by RefSeq, Sep 2014]
Molecular Mass	80.96 kDa
AA Sequence	MFRSKRSGLVRRRLWRSRVVPDREEGGSGGGGGGDEDGSLGSRAEPAPRAREGG GCGRSEVRPVAPRRPRDAVGQRGAQGAGRRRRAGGPPRPMSEPGAGAGSSLLD VAEPGGPGWLPESDCETVTCCLFSERDAAGAPRDASDPLAGAALEPAGGGRSREA RSRLLLLLEQELKTVTYSLKRLKERSLDTLLEAVESRGGVPGGCVLVPRADLRLGGQ PAPPQLLLGRLFRWPDQLHAVELKPLCGCHSFAAAADGPTVCCNPYHFSRLCGPES PPPPYSRLSPRDEYKPLDLSSTLSYTETEATNSLITAPGEFSDASMSPDATKPSHW CSVAYWEHRTRVGRLYAVYDQAVSIFYDLQPQSGFCLGQLNLEQRSESVRRTRSKI

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GFGILLSKEPDGVWAYNRGEHPIFVNSPTLDAPGGRALVVRKVPPGYSIKVDFERS
GLQHAPEPDAADGPYDPNSVRISFAKGWGPCYSRQFITSCPCWLEILLNNPR

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

SMAD6 SMAD family member 6 [Homo sapiens (human)]

Official Symbol

SMAD6

Synonyms

SMAD6; SMAD family member 6; AOVD2; MADH6; MADH7; HsT17432; mothers against decapentaplegic homolog 6; MAD homolog 6; SMAD, mothers against DPP homolog 6; mothers against decapentaplegic, drosophila, homolog of, 6

Gene ID

4091

mRNA Refseq

NM_005585

Protein Refseq

NP_005576

MIM

602931

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UniProt ID

O43541

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